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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/596,759

06/23/2006

Theodorus Franciscus Overes

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PHILIPS INTELLECTUAL PROPERTY & STANDARDS

P.O. BOX 3001

BRIARCLIFF MANOR, NY 10510

EXAMINER

SPINELLA, KEVIN

ART UNIT

PAPER NUMBER

2885

MAIL DATE

DELIVERY MODE

04/27/2009

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/596,759	Applicant(s) OVERES ET AL.	
	Examiner KEVIN SPINELLA	Art Unit 2885	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 23 June 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-5 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-5 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 6/23/2006 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Priority

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Specification

2. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

The following title is suggested: Display Apparatus Having Right-Hand and Left-Hand Illumination Units.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1-3 are rejected under 35 U.S.C. 102(b) as being anticipated by Egawa (US Publication No.: 2002/0041500 A1, hereafter Egawa).

In regard to Claim 1, Egawa discloses a display apparatus (paragraph 2, lines 3-4: "liquid crystal display device") with a display unit (i.e. operationally required), having means for background lighting (Title, Figure 3) at a side or the back (i.e. operationally

Art Unit: 2885

required) of the display apparatus (paragraph 2, lines 3-4: "liquid crystal display device"), characterized in that the means for background lighting (Title, Figure 3) comprise two (Figure 3) illumination units 7 (paragraph 31, line 10) being provided at the right-hand (Figure 3) and left-hand (Figure 3) of the display apparatus (paragraph 2, lines 3-4: "liquid crystal display device"), said illumination units 7 (paragraph 31, line 10) being formed as substantially vertically positioned (Figure 3), longitudinal (Figure 3) light guides (paragraph 31, line 10) comprising means for coupling out light 11 (paragraph 31, lines 4-7), each of the light guides (paragraph 31, line 10) being provided on at least one of its ends (Figure 3) with a light source 9 (paragraph 36, line 3).

In regard to Claim 2, Egawa discloses the means for coupling out light 11 (paragraph 31, lines 4-7) are formed as a structure (Figure 3) provided on the surface (Figure 3) of the light guide (paragraph 31, line 10).

In regard to Claim 3, Egawa discloses the light guides (paragraph 31, line 10) are rotatable along a longitudinal axis (Figure 3, i.e. light guides 7 can each be rotated 180 degrees about a central device longitudinal axis, i.e. light guides 7 can each be switched).

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 4 and 5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Egawa in view of Hoelen et al. (US Publication No.: 2001/0035853 A1, hereafter Hoelen).

Egawa discloses light guides 7 are provided on both ends (Figure 3) with a light source 9.

Egawa lacks means for controlling the colour of the backlight; said light source comprising a red, a green and a blue LED; and the display apparatus comprises a control circuit for controlling the colour of each of the light sources in dependence of colour of a part of the display screen which is close to the light source.

Hoelen teaches means for controlling the colour of the backlight (Abstract, lines 16-20; paragraph 54); said light source 16, 16', 16" comprising a red, a green and a blue LED (paragraph 40); and the display apparatus (Title) comprises a control circuit 8 (paragraph 39, lines 3-4) for controlling the colour (paragraph 45) of each of the light sources 16, 16', 16" in dependence of colour of a part of the display screen which is close to the light source (Abstract, lines 16-20; paragraph 54). Hoelen also teaches an optimum contrast to be obtained for the image to be displayed by the display device (Abstract, lines 18-20).

Art Unit: 2885

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the control circuit and red, green, and blue LEDs of the LCD display apparatus of Hoelen in combination with the LCD spread illuminating apparatus of Egawa in order to allow for optimum contrast to be obtained for the image to be displayed by the display of the LCD spread illuminating apparatus.

Conclusion

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Egawa (US Patent No.: 6,561,661 B2) discloses a spread illuminating apparatus.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to KEVIN SPINELLA whose telephone number is (571) 270-1284. The examiner can normally be reached on Monday - Friday, from 7:30 a.m. to 5:00 p.m. EST.

9. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jong-Suk (James) Lee can be reached on (571) 272-7044. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

10. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

Art Unit: 2885

For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

KJS

4/14/2009

/Anabel M Ton/

Examiner, Art Unit 2875